

# FRESNO, CALIFORNIA

## CLASS SPECIFICATION

### ASSISTANT WASTEWATER SERVICES MECHANIC

**FLSA STATUS:**

Non-Exempt

**CLASS SUMMARY:**

The Assistant Wastewater Services Mechanic is the first and entry level in a three level Utilities Wastewater Treatment Mechanic series. Incumbents are responsible for performing basic equipment repairs, servicing, and maintenance of wastewater treatment plant and facilities and assists journey positions in the completion of more complex assignments.

The Assistant Wastewater Services Mechanic is distinguished from the Wastewater Services Mechanic, which has responsibility for performing journey level maintenance and repair activities on wastewater treatment plant equipment.

**TYPICAL CLASS ESSENTIAL DUTIES:** (These duties are a representative sample; position assignments may vary.)

**FRE-  
QUENCY**

1.	Performs basic maintenance and repair of a variety of equipment, machinery, and control systems in the treatment plant and facility to assure efficient plant operations.	Daily 20%
2.	Servicing and performs preventative maintenance to all plant equipment, facilities and machinery by performing periodic lubrication, adjustment, cleaning, and inspections for worn parts.	Daily 80%
3.	Assists with diagnosing problems and implements necessary repairs, including preparing and maintaining records of work performed.	Weekly 10%
4.	Assists with overhauls and rebuilding of motors, pumps, gearboxes, automated valves, hydraulic systems, pneumatic systems and other related industrial equipment.	Weekly 10%
5.	Assists with the design, repair and installation of plumbing and pipefitting for stainless steel, mild steel, and cast iron and PVC pipe for applicable plant projects.	Weekly 5%
6.	Assists with performing millwright duties such as mill, lathe, brake, sheer, Pinegrove; and welding methods such as ARC, MIG, TIG, Oxy-acetylene, gas and plasma cutting.	Weekly 5%
7.	Assists with installing and/or replacing equipment and machinery, including participating in major plant installations and overhauls.	Monthly 10%
8.	Assists with optimizing equipment performance by using laser alignment, vibration analysis, thermal imaging and oil analysis.	Monthly 10%

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<b><u>TYPICAL CLASS ESSENTIAL DUTIES:</u></b> (These duties are a representative sample; position assignments may vary.)		<b><u>FRE- QUENCY</u></b>
9.	Performs other duties of a similar nature or level.	As Required

**Training and Experience** (positions in this class typically require):

- Six months of experience in the repair of pumps and industrial equipment is required;  
OR
- An equivalent combination of education and experience sufficient to successfully perform the essential duties of the job such as those listed above. Mechanical maintenance in a utility plant is desirable, as is coursework or training in the repair and maintenance of industrial equipment and associated systems.

**Licensing Requirements** (positions in this class typically require):

- Basic Class C License
- California Water Environment Association Mechanical Technologist Grade I

**Knowledge** (position requirements at entry):

Knowledge of:

- Applicable tools, equipment, vehicles and hardware and software related to area of responsibility;
- Basic practices and methods related to mechanical, hydraulic/pneumatic and welding trades;
- Basic pump, motor, equipment and machinery operations;
- Safe work practices and procedures;
- Basic lubrication practices.

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#### **Skills** (position requirements at entry):

Skill in:

- Safely operating and maintaining applicable tools and equipment
- Operating and maintaining applicable pumps, motors, equipment gearboxes, automated valves, hydraulic systems, pneumatic systems and other related industrial equipment.
- Reading and interpreting blueprints, schematics, and other technical drawings related to job duties
- Diagnosing mechanical, hydraulic, pneumatic, electrical, and electronic malfunctions in instrumentation, programmable logic controllers, and telemetry systems
- Communication, interpersonal skills as applied to interaction with coworkers, supervisor, the general public, business, organizations, elected and appointed officials, media, etc. sufficient to exchange or convey information, give/receive work direction
- Safe handling of chemicals
- Using computers and applicable software applications

#### **Physical Requirements:**

Positions in this class typically require: feeling, finger dexterity, grasping, hearing, repetitive motions, seeing, talking, bending, kneeling, lifting, reaching, standing, stooping, walking, balancing, climbing, crawling, crouching, pulling and pushing.

Very Heavy Work: Exerting up to 100 pounds of force occasionally, and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects.

Incumbents may be subjected to moving mechanical parts, electrical hazards, vibrations, fumes, odors, dusts, poor ventilation, adverse weather conditions, work space restrictions, inadequate lighting and intense noises.

#### **Note:**

The above job specification is intended to represent only the key areas of responsibilities; specific position assignments will vary depending on the business needs of the department.

#### **Classification History:**

Draft prepared by Fox Lawson & Associates (LM)

Date: 12/2007

Reviewed by the City of Fresno

Date: 5/2008